

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

## Factor- Label Method (Health)

Directions: Math is constantly used in the health environment. The following problems allow you to convert from the English system to the Metric system. Use the factor-label method to make each of the following conversions. You will use both single and multi-step conversions. Refer to appropriate tables for necessary conversion factors.

1. 32 pounds to kilograms
2. 4.75 pints to liters
3. 192.5 centimeters to inches
4. 8.92 kiloliters to quarts
5. 35.5 feet to meters
6. 965 ounces to grams
7. 5.00 liters to drops

Multi-conversion problems: Please show your work

8. 450 drops per minute to milliliters per second
9. 0.48 centimeters per day to inches per year
10. 26 kilograms per gallon to pounds per quart

1 kg = 2.2 lb	1 in = 2.54 cm
1 m = 39.37 in	1 drop = 0.0667 mL
1 L = 32 oz	3.98 L = 1 gal
1 qt = 2 pt	1 L = 0.264 qt
1 lb = 16 oz	1 cup = 240 mL